

shall deduct allowances equal in number to and with the same or earlier compliance use date as those allocated to the opt-in source under § 74.40 for the calendar year in which the shut down occurs and for all future years following the year in which the shut down occurs; or

(ii) When an opt-in source has undergone a modification that qualifies as a reconstruction as defined in § 60.15 of this chapter. The Administrator shall deduct allowances equal in number to and with the same or earlier compliance use date as those allocated to the opt-in source under § 74.40 for the calendar year in which the reconstruction is completed and all future years following the year in which the reconstruction is completed; or

(iii) When an opt-in source becomes an affected unit under § 72.6 of this chapter. The Administrator shall deduct allowances equal in number to and with the same or earlier compliance use date as those allocated to the opt-in source under § 74.40 for the calendar year in which the opt-in source becomes affected under § 72.6 of this chapter and all future years following the calendar year in which the opt-in source becomes affected under § 72.6; or

(iv) When an opt-in source does not renew its opt-in permit. The Administrator shall deduct allowances equal in number to and with the same or earlier compliance use date as those allocated to the opt-in source under § 74.40 for the calendar year in which the opt-in source's opt-in permit expires and all future years following the year in which the opt-in source's opt-in permit expires.

(2) After the allowance deductions under paragraph (b)(1) of this section are made, the Administrator will close the opt-in source's unit account in the Allowance Tracking System. If any allowances remain in the opt-in source's unit account after allowance deductions are made under paragraph (b)(1) of this section, and any deductions made under part 77 of this chapter, the Administrator will establish a general account for the opt-in source, and transfer any remaining allowances into this general account. The designated representative for the opt-in source

shall become the authorized account representative for the general account.

§ 74.47 Transfer of allowances from the replacement of thermal energy—combustion sources.

(a) *Thermal energy plan*—(1) *General provisions.* The designated representative of an opt-in source that seeks to qualify for the transfer of allowances based on the replacement of thermal energy by a replacement unit shall submit a thermal energy plan subject to the requirements of § 72.40(b) of this chapter for multi-unit compliance options and this section. The effective period of the thermal energy plan shall begin at the start of the calendar quarter (January 1, April 1, July 1, or October 1) for which the plan is approved and end December 31 of the last full calendar year for which the opt-in permit containing the plan is in effect.

(2) *Applicability.* This section shall apply to any designated representative of an opt-in source and any designated representative of each replacement unit seeking to transfer allowances based on the replacement of thermal energy.

(3) *Contents.* Each thermal energy plan shall contain the following elements in a format prescribed by the Administrator:

(i) The calendar year and quarter that the thermal energy plan takes effect, which shall be the first year and quarter the replacement unit(s) will replace thermal energy of the opt-in source;

(ii) The name, authorized account representative identification number, and telephone number of the designated representative of the opt-in source;

(iii) The name, authorized account representative identification number, and telephone number of the designated representative of each replacement unit;

(iv) The opt-in source's account identification number in the Allowance Tracking System;

(v) Each replacement unit's account identification number in the Allowance Tracking System (ATS);

(vi) The type of fuel used by each replacement unit;

(vii) The allowable SO₂ emissions rate, expressed in lbs/mmBtu, of each replacement unit for the calendar year for which the plan will take effect. When a thermal energy plan is renewed in accordance with paragraph (a)(9) of this section, the allowable SO₂ emission rate at each replacement unit will be the most stringent federally enforceable allowable SO₂ emissions rate applicable at the time of renewal for the calendar year for which the renewal will take effect. This rate will not be annualized;

(viii) The estimated annual amount of total thermal energy to be reduced at the opt-in source, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application, and, for a plan starting April 1, July 1, or October 1, such estimated amount of total thermal energy to be reduced starting April 1, July 1, or October 1 respectively and ending on December 31;

(ix) The estimated amount of total thermal energy at each replacement unit for the calendar year prior to the year for which the plan is to take effect, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application, and, for a plan starting April 1, July 1, or October 1, such estimated amount of total thermal energy for the portion of such calendar year starting April 1, July 1, or October 1 respectively;

(x) The estimated annual amount of total thermal energy at each replacement unit after replacing thermal energy at the opt-in source, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application, and, for a plan starting April 1, July 1, or October 1, such estimated amount of total thermal energy at each replacement unit after replacing thermal energy at the opt-in source starting April 1, July 1, or October 1 respectively and ending December 31;

(xi) The estimated annual amount of thermal energy at each replacement unit, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application, replacing thermal energy at the opt-in source, and, for a plan starting

April 1, July 1, or October 1, such estimated amount of thermal energy replacing thermal energy at the opt-in source starting April 1, July 1, or October 1 respectively and ending December 31;

(xii) The estimated annual total fuel input at each replacement unit after replacing thermal energy at the opt-in source and, for a plan starting April 1, July 1, or October 1, such estimated total fuel input after replacing thermal energy at the opt-in source starting April 1, July 1, or October 1 respectively and ending December 31;

(xiii) The number of allowances calculated under paragraph (b) of this section that the opt-in source will transfer to each replacement unit represented in the thermal energy plan.

(xiv) The estimated number of allowances to be deducted for reduced utilization under § 74.44;

(xv) Certification that each replacement unit has entered into a legally binding steam sales agreement to provide the thermal energy, as calculated under paragraph (a)(3)(xi) of this section, that it is replacing for the opt-in source. The designated representative of each replacement unit shall maintain and make available to the Administrator, at the Administrator's request, copies of documents demonstrating that the replacement unit is replacing the thermal energy at the opt-in source.

(4) *Submission.* The designated representative of the opt-in source seeking to qualify for the transfer of allowances based on the replacement of thermal energy shall submit a thermal energy plan to the permitting authority by no later than six months prior to the first calendar quarter for which the plan is to be in effect. The thermal energy plan shall be signed and certified by the designated representative of the opt-in source and each replacement unit covered by the plan.

(5) *Retirement of opt-in source upon enactment of plan.* (i) If the opt-in source will be permanently retired as of the effective date of the thermal energy plan, the opt-in source shall not be required to monitor its emissions upon retirement, consistent with § 75.67 of this chapter, provided that the following requirements are met:

(A) The designated representative of the opt-in source shall include in the plan a request for an exemption from the requirements of part 75 in accordance with § 75.67 of this chapter and shall submit the following statement: “I certify that the opt-in source (“is” or “will be”, as applicable) permanently retired on the date specified in this plan and will not emit any sulfur dioxide or nitrogen oxides after such date.”

(B) The opt-in source shall not emit any sulfur dioxide or nitrogen oxides after the date specified in the plan.

(ii) Notwithstanding the monitoring exemption discussed in paragraph (a)(5)(i) of this section, the designated representative for the opt-in source shall submit the annual compliance certification report provided under paragraph (d) of this section.

(6) *Administrator’s action.* If the permitting authority approves a thermal energy plan, the Administrator will annually transfer allowances to the Allowance Tracking System account of each replacement unit, as provided in the approved plan.

(7) *Incorporation, modification and renewal of a thermal energy plan.* (i) An approved thermal energy plan, including any revised or renewed plan that is approved, shall be incorporated into both the opt-in permit for the opt-in source and the Acid Rain permit for each replacement unit governed by the plan. Upon approval, the thermal energy plan shall be incorporated into the Acid Rain permit for each replacement unit pursuant to the requirements for administrative permit amendments under § 72.83 of this chapter.

(ii) In order to revise an opt-in permit to add an approved thermal energy plan or to change an approved thermal energy plan, the designated representative of the opt-in source shall submit a

plan or a revised plan under paragraph (a)(4) of this section and meet the requirements for permit revisions under § 72.80 and either § 72.81 or § 72.82 of this chapter.

(8) *Termination of plan.* (i) A thermal energy plan shall be in effect until the earlier of the expiration of the opt-in permit for the opt-in source or the year for which a termination of the plan takes effect under paragraph (a)(8)(ii) of this section.

(ii) *Termination of plan by opt-in source and replacement units.* A notification to terminate a thermal energy plan in accordance with § 72.40(d) of this chapter shall be submitted no later than December 1 of the calendar year for which the termination is to take effect.

(iii) If the requirements of paragraph (a)(8)(ii) of this section are met and upon revision of the opt-in permit of the opt-in source and the Acid Rain permit of each replacement unit governed by the thermal energy plan to terminate the plan pursuant to § 72.83 of this chapter, the Administrator will adjust the allowances for the opt-in source and the replacement units to reflect the transfer back to the opt-in source of the allowances transferred from the opt-in source under the plan for the year for which the termination of the plan takes effect.

(9) *Renewal of thermal energy plan.* The designated representative of an opt-in source may renew the thermal energy plan as part of its opt-in permit renewal in accordance with § 74.19.

(b) *Calculation of transferable allowances—*(1) *Qualifying thermal energy.* The amount of thermal energy credited towards the transfer of allowances based on the replacement of thermal energy shall equal the qualifying thermal energy and shall be calculated for each replacement unit as follows:

$$\text{Qualifying thermal energy} = \frac{\text{the estimated thermal energy at the replacement unit under paragraph (a)(3)(xi) of this section}}{\text{the qualifying thermal energy at each}} \quad (2)$$

(2) *Fuel associated with qualifying thermal energy.* The fuel associated with

the qualifying thermal energy at each

replacement unit shall be calculated as follows:

$$\frac{\text{Fuel associated with}}{\text{Qualifying thermal energy}} = \frac{\text{Qualifying thermal energy}}{\text{Efficiency constant}}$$

where,

“Qualifying thermal energy” for the replacement unit is as defined in paragraph (b)(1) of this section;

“Efficiency constant” for the replacement unit

= 0.85, where the replacement unit is a boiler

= 0.80, where the replacement unit is a cogenerator

(3) *Allowances transferable from the opt-in source to each replacement unit.* The number of allowances transferable from the opt-in source to each replacement unit for the replacement of thermal energy is calculated as follows:

$$\text{transferable allowances for the replacement unit} = \frac{\text{Fuel Associated with Qualifying thermal energy} \times \text{allowable SO}_2 \text{ emission rate replacement unit (in lb/mmBtu)}}{2000}$$

where,

“Allowable SO₂ emission rate” for the replacement unit is as defined in paragraph (a)(3)(vii) of this section;

“Fuel associated with qualifying thermal energy” is as defined in paragraph (b)(2) of this section;

(c) *Transfer prohibition.* The allowances transferred from the opt-in source to each replacement unit shall not be transferred from the unit account of the replacement unit to any other account in the Allowance Tracking System.

(d) *Compliance—(1) Annual compliance certification report.* (i) As required for all opt-in sources, the designated representative of the opt-in source covered by a thermal energy plan must submit an opt-in utilization report for the calendar year as part of its annual compliance certification report under § 74.44(c)(1).

(ii) The designated representative of an opt-in source must submit a thermal energy compliance report for the calendar year as part of the annual compliance certification report, which must include the following elements in a format prescribed by the Administrator:

(A) The name, authorized account representative identification number, and telephone number of the des-

ignated representative of the opt-in source;

(B) The name, authorized account representative identification number, and telephone number of the designated representative of each replacement unit;

(C) The opt-in source’s account identification number in the Allowance Tracking System (ATS);

(D) The account identification number in the Allowance Tracking System (ATS) for each replacement unit;

(E) The actual amount of total thermal energy reduced at the opt-in source during the calendar year, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application;

(F) The actual amount of thermal energy at each replacement unit, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application, replacing the thermal energy at the opt-in source;

(G) The actual amount of total thermal energy at each replacement unit after replacing thermal energy at the opt-in source, including all energy flows (steam, gas, or hot water) used for any process or in any heating or cooling application;

§ 74.48

40 CFR Ch. I (7–1–04 Edition)

(H) Actual total fuel input at each replacement unit as determined in accordance with part 75 of this chapter;

(I) Calculations of allowance adjustments to be performed by the Administrator in accordance with paragraph (d)(2) of this section.

(2) *Allowance adjustments by Administrator.* (i) The Administrator will adjust the number of allowances in the Allowance Tracking System accounts for the opt-in source and for each replacement unit to reflect any changes between the estimated values submitted in the thermal energy plan pursuant to paragraph (a) of this section and the actual values submitted in the thermal energy compliance report pursuant to paragraph (d) of this section. The values to be considered for this adjustment include:

(A) The number of allowances transferable by the opt-in source to each replacement unit, calculated in paragraph (b) of this section using the actual, rather than estimated, thermal energy at the replacement unit replacing thermal energy at the opt-in source.

(B) The number of allowances deducted from the Allowance Tracking System account of the opt-in source, calculated under § 74.44(b)(2).

(ii) If the opt-in source includes in the opt-in utilization report under § 74.44 estimates for reductions in heat input, then the Administrator will adjust the number of allowances in the Allowance Tracking System accounts for the opt-in source and for each replacement unit to reflect any differences between the estimated values submitted in the opt-in utilization report and the actual values submitted in the confirmation report pursuant to § 74.44(c)(2).

(3) *Liability.* The owners and operators of an opt-in source or a replacement unit governed by an approved thermal energy plan shall be liable for any violation of the plan or this section at that opt-in source or replacement unit that is governed by the thermal energy plan, including liability for fulfilling the obligations specified in part 77 of this chapter and section 411 of the Act.

[60 FR 17115, Apr. 4, 1995, as amended at 63 FR 18841, 18842, Apr. 16, 1998]

§ 74.48 Transfer of allowances from the replacement of thermal energy—process sources. [Reserved]

§ 74.49 Calculation for deducting allowances.

(a) *Allowance deduction formula.* The following formula shall be used to determine the total number of allowances to be deducted for the calendar year from the allowances held in an opt-in source's compliance subaccount as of the allowance transfer deadline applicable to that year:

Total allowances deducted = Tons emitted + Allowances deducted for reduced utilization where:

(1)(i) Except as provided in paragraph (a)(1)(ii) of this section, "Tons emitted" shall be the total tons of sulfur dioxide emitted by the opt-in source during the calendar year, as reported in accordance with subpart F of this part for combustion sources or subpart G of this part for process sources.

(ii) If the effective date of the opt-in source's permit took effect on a date other than January 1, "Tons emitted" for the first calendar year shall be the total tons of sulfur dioxide emitted by the opt-in source during the calendar quarters for which the opt-in source's opt-in permit is effective, as reported in accordance with subpart F of this part for combustion sources or subpart G of this part for process sources.

(2) "Allowances deducted for reduced utilization" shall be the total number of allowances deducted for reduced utilization as calculated in accordance with § 74.44 for combustion sources or § 74.45 for process sources.

(b) [Reserved]

§ 74.50 Deducting opt-in source allowances from ATS accounts.

(a)(1) *Deduction of allowances.* The Administrator may deduct any allowances that were allocated to an opt-in source under § 74.40 by removing, from any Allowance Tracking System accounts in which they are held, the allowances in an amount specified in paragraph (d) of this section, under the following circumstances:

(i) When the opt-in source has permanently shut down; or

(ii) When the opt-in source has been reconstructed; or